Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/18/2020 10:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124338	-1	2.83	124360	2.79
Blue	F	SSC	125000	124918	-1	1.74	125778	1.72
Blue	E	FITC	15892	15349	-4	2.78	335	20.16
Blue	D	PE	29999	29600	-2	1.97	646	14.83
Blue	B	PerCP-Cy5-5	43732	43125	-2	3.68	1158	20.51
Blue	A	PE-Cy7	30845	30904	0	6.20	592	41.57
Red	C	APC	46112	45399	-2	2.47	1604	12.16
Red	A	APC-Cy7	30458	29744	-3	2.35	787	11.94
Violet	B	V450	7918	7479	-6	4.50	417	13.13
Violet	A	V500	32171	30827	-5	4.21	716	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17408	16.11	622	1	N/A	N/A	Pass
Blue	F	SSC	56801	1.28	562	3	N/A	N/A	Pass
Blue	E	FITC	60	65.09	543	0	0.0198	124	Pass
Blue	D	PE	135	49.96	550	2	0.1595	266	Pass
Blue	B	PerCP-Cy5-5	213	51.12	658	2	0.0090	83	Pass
Blue	A	PE-Cy7	107	105.61	702	4	0.0105	19	Pass
Red	C	APC	381	25.10	588	4	0.0240	117	Pass
Red	A	APC-Cy7	173	28.63	560	4	0.0056	915	Pass
Violet	B	V450	63	61.58	461	3	0.0575	2429	Pass
Violet	A	V500	108	34.73	478	4	0.0227	884	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.25	-31.85	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	15.51	13.60 - 20.40	N/A	N/A	29.52	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9933

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments